International Application No CT/GB2004/004707

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07H21/00 C120 C12N15/11 C12Q1/68 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 CO7H C12Q C12N Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, EMBASE, PAJ, BIOSIS C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ° 1,2 WO 97/08183 A1 (LANE, MICHAEL, J; BENIGHT, X ALBERT, S; FALDASZ, BRIAN, D) 6 March 1997 (1997-03-06) cited in the application page 9 - page 10 1-10,15,ZHAO XIAODONG ET AL: "Immobilization of X oligodeoxyribonucleotides with multiple 18-20, 23 - 34, anchors to microchips" 37-39 NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 29, no. 4, 15 February 2001 (2001-02-15), pages 955-959, XP002175040 ISSN: 0305-1048 3-7,9,10Y page 957 - page 958; figure 1 -/--Patent family members are listed in annex. Further documents are listed in the continuation of box C. ΙX Special categories of cited documents: \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone \*E\* earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another diation or other special reason (as specified) 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled 'O' document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed \*&\* document member of the same patent family Date of the actual completion of the international search Date of malling of the international search report 28/02/2005 1 February 2005 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Gruber, A

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T/GB2004/004707

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	ASTEUR; CENTRE IENTIFIQUE; 03-19)  AMANIAN SHANKAR 3-01-30)  ARMACIA BIOTECH MMONDS, 001-12-06) claim 12  1-40  SHARNES, NKAR;  example 1  ARMACIA (2001-03-08)  ANOVEL 1-40  MICAL SOCIETY  Pages  Relevant to claim No.  1, 2, 8, 11-13, 15-20, 23-31, 33-40 3-7,9, 10,14  21,22  1-40  14  15  16  17  18  19  19  10  10  11  11  11  11  11  11				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to ctalm No.				
X	NATIONAL DE LA RECHERCHE SCIENTIFÍQUE; 11-13, CENTR) 19 March 1986 (1986-03-19) 15-20, 23-31,					
Υ	page 4 - page 17	3-7,9,				
X	US 2003/022207 A1 (BALASUBRAMANIAN SHANKAR ET AL) 30 January 2003 (2003-01-30) page 5, paragraph 53	21,22				
Y	WO 01/92284 A1 (AMERSHAM PHARMACIA BIOTECH UK LIMITED; ODEDRA, RAJ; SIMMONDS, ADRIAN;) 6 December 2001 (2001-12-06) page 12, line 23 - line 25; claim 12	14				
A	US 4 659 774 A (WEBB ET AL) 21 April 1987 (1987-04-21) the whole document	1-40				
A	WO 02/061126 A2 (SOLEXA LTD; BARNES, COLIN; BALASUBRAMANIAN, SHANKAR; KLENERMAN, DAVID;) 8 August 2002 (2002-08-08) page 6, line 22 - line 24; example 1	1-40				
Α	WO 01/16152 A2 (AMERSHAM PHARMACIA BIOTECH, INC) 8 March 2001 (2001-03-08) the whole document	1-40				
Α	FANG X ET AL: "Designing a novel molecular beacon for surface-immobilized DNA hybridization studies" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 31 MAR 1999 UNITED STATES, vol. 121, no. 12, 31 March 1999 (1999-03-31), pages 2921-2922, XP002315845 ISSN: 0002-7863 the whole document	1-40				
А	BROUDE N E: "Stem-loop oligonucleotides: a robust tool for molecular biology and biotechnology" TRENDS IN BIOTECHNOLOGY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 20, no. 6, 1 June 2002 (2002-06-01), pages 249-256, XP004352763 ISSN: 0167-7799 the whole document	1-40				

International Application No T/GB2004/O04707

		T/GB2004/O04707						
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT								
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.						
A	PIRRUNG M C ET AL: "Novel reagents and procedures for immobilization of DNA on glass microchips for primer extension" LANGMUIR, ACS, WASHINGTON, DC, US, vol. 16, 2000, pages 2185-2191, XP002158761 ISSN: 0743-7463 the whole document	1-40						
A	RICCELLI P V ET AL: "Hybridization of single-stranded DNA targets to immobilized complementary DNA probes: comparison of hairpin versus linear capture probes" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 29, no. 4, 15 February 2001 (2001-02-15), pages 996-1004, XP002282478 ISSN: 0305-1048 the whole document	1-40						

Information on patent family members

International Application No
T/GB2004/004707

Patent document lited in search report		Publication date		Patent family member(s)	Publication date
WO 9708183	A1	06-03-1997	US AU AU CA EP JP	5770365 A 701632 B2 6854596 A 2227950 A1 0861262 A1 2001517068 T	23-06-1998 04-02-1999 19-03-1997 06-03-1997 02-09-1998 02-10-2001
EP 0174879	A1	19-03-1986	FR AT DE DK ES GR JP PT	2567523 A1 56724 T 3579776 D1 318885 A 8604259 A1 851739 A1 61130305 A 80807 A	17-01-1986 15-10-1990 25-10-1990 13-01-1986 01-06-1986 26-11-1985 18-06-1986 , B 01-08-1985
US 2003022207	A1	30-01-2003	AU AU CA EP WO JP US EP GB EP WO JP	770831 B2 5178799 A 2339121 A1 1105529 A1 0006770 A1 2002521064 T 2004106110 A1 2004091903 A1 2003186227 A1 1356120 A2 2389904 A 1356119 A2 02061126 A2 2004524525 T	21-02-2000 10-02-2000 13-06-2001 10-02-2000 16-07-2002 03-06-2004 13-05-2004 02-10-2003 29-10-2003 24-12-2003 08-08-2002
WO 0192284	A1	06-12-2001	AU CA EP JP US	6249501 A 2408143 A1 1287012 A1 2003535102 T 2003194722 A1	05-03-2003 25-11-2003
US 4659774	Α	21-04-1987	NONE		
WO 02061126	A2	08-08-2002	EP EP WO GB JP US US	1356119 A2 1356120 A2 02061127 A2 2389904 A 2004524525 T 2003022207 A2 2004106110 A2 2004091903 A3	2 29-10-2003 2 08-08-2002 24-12-2003 12-08-2004 1 30-01-2003 1 03-06-2004
WO 0116152	A2	08-03-2001	US AT AU CA DE EP	6528319 B: 280773 T 6800400 A 2381761 A: 60015368 D: 1210356 A:	15-11-2004 26-03-2001 1 08-03-2001 1 02-12-2004